

GREAT BASIN NATIVE PLANT SELECTION AND INCREASE PROJECT

ANNUAL MEETING - FEBRUARY 21 - 22, 2012, SALT LAKE CITY, UTAH

MEETING LOCATION:

UNIVERSITY OF UTAH GUEST HOUSE AND CONFERENCE CENTER

FORT DOUGLAS BALLROOM

110 South Fort Douglas Blvd,

Salt Lake City, UT 84113

TUESDAY, FEBRUARY 21

1:00 PM—5:00 PM

- Plant Materials

WEDNESDAY, FEBRUARY 22

8:00 AM—4:00 PM

- Seed Tech and Production
- Native Plant Horticulture
- Wildfires, Restoration and
Crested Wheatgrass Diversification
- Business Meeting

SPONSORED BY:

USDA FOREST SERVICE, ROCKY MOUNTAIN RESEARCH STATION,
GREAT BASIN NATIVE PLANT SELECTION AND INCREASE PROJECT

USDI BUREAU OF LAND MANAGEMENT,
GREAT BASIN RESTORATION INITIATIVE



CHECK OUR WEBSITE FOR INFORMATION AND UPDATES!

<http://www.fs.fed.us/rm/boise/research/shrub/greatbasin.shtml>

LODGING: A block of rooms is reserved at the University Guest House under:

"Great Basin Native Plant Meeting"

for **Monday February 20—Wednesday 22, 2012**

Reservations: 1-888-416-4075

<http://www.universityguesthouse.com/>

Special rate: \$95/night (king OR two queens)

Complimentary Hot & Continental Breakfast

*Please reserve rooms by **January 31, 2012***

REGISTRATION: FREE! (but seating is limited)

Please register by January 20, 2012

Email Erin Denney (edenney@fs.fed.us)

with your:

Name, Title, Agency or Organization,
City, State, Phone and Email

QUESTIONS:

Nancy Shaw (nshaw@fs.fed.us)

Mike Pellant (Mike_Pellant@blm.gov)

Great Basin Native Plant Selection and Increase Project Annual Meeting
University Guest House & Conference Center
110 South Fort Douglas Blvd, Salt Lake City, UT
Fort Douglas Ballroom

Tuesday, February 21 (1:00 pm-5:00 pm) — Wednesday, 22 (8:00 am-4:00 pm)

AGENDA

Tuesday, February 21

1:00 — 1:10

Welcome and Update

Mike Pellant, USDI BLM, Boise, ID

Nancy Shaw, USFS, Rocky Mountain Research Station, Boise, ID

1:10 — 1:20

BLM National Seed Program

Paul Krabacher, USDI BLM, National Seed Coordinator, Boise, ID

1:20 — 1:30

Great Basin Landscape Conservation Cooperative

Linda Kelly, Great Basin LCC Coordinator, USDI BLM, Reno, NV

Cooperator Reports:

Plant materials

1:30 — 1:50

Finding the Best Native Plants to Compete with Invasive Weeds

Elizabeth Leger¹ and Erin Goergen²

¹University of Nevada, Reno, NV; ²Great Basin Institute, Reno, NV

1:50 — 2:10

Phylogenetic Relationships Between Big Sagebrush Species

Bryce Richardson, USFS, Rocky Mountain Research Station, Provo, UT

2:10 — 2:30

Differences in Ecophysiology and Climate Responses Among Subspecies and Seed Provenances of Big Sagebrush:
Implications for seed selection

Matt Germino¹, Jess Vanderveen¹, Lar Svenson¹ and Bryce Richardson²

¹US Geological Survey, Forest and Rangeland Ecosystem Science Center, Boise, ID; ²USFS, RMRS, Provo, UT

2:30 — 2:50

Increasing Seed Yield in Big Sagebrush by Mechanical and Chemical Treatments

Kurt Elder, Brad Geary, Val Anderson, Joshua Nicholson, Rachel Fugal and Aaron Nordin

Brigham Young University, Provo, UT

2:50 — 3:20

BREAK

3:20 — 3:40

UDWR Native Plant Materials Development

Jason Stettler, Utah Division of Wildlife Resources, Ephraim, UT

3:40 — 4:00

Aberdeen Plant Materials Center Update

Derek Tilley and Loren St. John, USDA NRCS, Aberdeen Plant Materials Center, Aberdeen, ID

4:00 — 4:20

Indian Ricegrass, Sandberg Bluegrass and Basin Wildrye

Richard Johnson¹, Mike Cashman¹, Matt Horning² and Erin Espeland³

¹USDA ARS, Plant Genetic Resources, Pullman, WA; ²USDA, ARS, Northern Plains Agricultural Research, Sidney, MT; ³USFS, Bend, OR

4:20 — 4:40

Genecology and Seed Zones for Bluebunch Wheatgrass and Prairie Junegrass

Brad St. Clair¹, Francis Kilkenny¹ and Nancy Shaw²

¹USFS, Pacific Northwest Research Station, Portland, OR; ²USFS, RMRS, Boise, ID

4:40 — 5:00

Native Seed Collection — Southeast Oregon

Berta Youtie, Eastern Oregon Stewardship Services, Prineville, OR

Wednesday, February 22

Seed Technology and Production

8:00 — 8:20

Effect of Seed Scarification and Seeding Depth on Greenhouse Seedling Emergence in Western Prairie Clover,
Searls' Prairie Clover and Basalt Milkvetch

Douglas Johnson, Shaun Bushman, Tom Jones and Kevin Conners

USDA ARS, Forage & Range Research Laboratory, Logan, UT

- 8:20 — 8:40 Diagnosing Abiotic Disorders of Native Plants
Ram Sampangi and Krishna Mohan, University of Idaho, SW Idaho Research & Extension Center, Parma, ID
Clint Shock, Oregon State University, Malheur Agricultural Experiment Station, Ontario, OR
- 8:40 — 9:00 Stand Establishment of Native Forb Species for Seed Production
Clint Shock¹, Erik Feibert¹, Monty Saunders¹, Cheryl Parris¹ and Nancy Shaw²
¹Oregon State University, Malheur Agricultural Experiment Station, Ontario, OR; ²USFS, RMRS, Boise, ID
- 9:00 — 9:20 Herbicides — Seed Production and Rangeland Restoration
Corey Ransom, Utah State University, Logan, UT
- 9:20 — 9:40 Wyoming Big Sagebrush: 5-year seed storage results
Robert Karrfalt, USFS, National Seed Laboratory, Dry Branch, GA
- 9:40 — 10:00 Seed Production and Marketing Progress for GBNPSIP Germplasms
Stanford Young, Utah Crop Improvement Association, Logan, UT
- 10:00 — 10:30 BREAK
- 10:30 — 10:50 Performance of Sagebrush and Globemallow Seedlings Under Adverse Conditions
Anthony S. Davis, Olga A. Kildisheva and Emily C. Overton, University of Idaho, Moscow, ID
- 10:50 — 11:10 Equipment and Cultural Practices for Native Seed Production
Scott Jensen, USFS, Rocky Mountain Research Station, Provo, UT
- 11:10 — 11:30 Irrigation Requirements of Native Forb Species for Seed Production
Clint Shock¹, Erik Feibert¹, Monty Saunders¹, Ram Sampangi² and Nancy Shaw³
¹Oregon State University, Malheur Agricultural Experiment Station, Ontario, OR
²University of Idaho, SW Idaho Research & Extension Center, Parma, ID; ³USFS, RMRS, Boise, ID
- Horticultural Uses of Native Plants
- 11:30 — 11:50 Potential for Roundleaf Buffaloberry Adaptation to Urban Landscapes
Heidi A. Kratsch¹, Chalita Sriadda² and Roger Kjelgren²
¹University of Nevada — Cooperative Extension, Reno, NV; ²Utah State University, Logan, UT
- Wildfires, Restoration, Crested Wheatgrass Diversification
- 11:50 — 12:10 Modeling Seedling Root Growth of Great Basin Species
Kert Young and Bruce Roundy, Brigham Young University, Provo, UT
- 12:10 — 1:40 LUNCH
- 1:40 — 2:00 Response of Bees to Wildfire: Rockin' the Shock Phase
Byron Love and Jim Cane, USDA ARS, Pollinating Insects Research Center, Logan, UT
- 2:00 — 2:20 Breeding Biology and Pollinators of Dusty Maiden, *Chaenactis douglasii*
Jim Cane and Byron Love, USDA ARS, Pollinating Insects Research Center, Logan, UT
- 2:20 — 2:40 Planting Methods for Establishing Native Forbs on the Landscape
Alison Whittaker, Utah Division of Wildlife Resources, Great Basin Research Center, Ephraim, UT
- 2:40 — 3:00 Evaluating Strategies for Increasing Plant Diversity in Crested Wheatgrass Seedlings
Kent McAdoo¹, John Swanson² and Nancy Shaw³
¹University of Nevada — Cooperative Extension, Elko, NV; ²University of Nevada, Reno, NV; ³USFS, RMRS, Boise, ID
- 3:00 — 3:20 Post-fire Seedlings in Wyoming Big Sagebrush Communities
Nancy Shaw, Matt Fisk, Erin Denney, Jan Gurr and Alexis Malcomb
USFS, Rocky Mountain Research Station, Boise, ID
- 3:30 — 4:00 Business Meeting

Posters:

Post-fire Native Seeding Strategies: Results from a Wyoming Big Sagebrush Site in Northern Nevada

Matthew Fisk¹, Erin Denney¹, Robert Cox², and Nancy Shaw¹

¹USFS, Rocky Mountain Research Station, Boise, ID; ²Texas Tech University, Lubbock, TX

Survival of Native Arbuscular Mycorrhizal Inoculum Following Transplanting of Wyoming Big Sagebrush

Bill E. Davidson and Marcelo D. Serpe, Boise State University, Boise, ID

Molecular Identification of Mycorrhizal Fungi in Seedlings of *Artemisia tridentata* ssp. *wyomingensis* from Southwestern Idaho

Keith A. Carter, Bill E. Davidson and Marcelo D. Serpe, Boise State University, Boise, ID

GBNPSIP Exhibit